

## Interpreting Expressions

1. Write algebraic expressions for each of the following:

a. Multiply  $n$  by 5 then add 4.

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b. Add 4 to  $n$  then multiply your answer by 5.

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c. Add 4 to  $n$  then divide your answer by 5.

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d. Multiply  $n$  by  $n$  then multiply your answer by 3.

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e. Multiply  $n$  by 3 then square your answer.

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2. Imagine you are a teacher. Decide whether the following work is correct or incorrect. If you see an error:

a. Cross it out and replace it with a correct answer.

b. Explain the error using words or diagrams.

$$2(n + 3) = 2n + 3$$

$$\frac{10n - 5}{5} = 2n - 1$$

$$(5n)^2 = 5n^2$$

$$(n + 3)^2 = n^2 + 3^2 = n^2 + 9$$